Performance Data Sheet

AVD5558EXT

General Information

Model	AVD5558EXT	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	18100	17600					
	Watts	2200	2210					
	Amps	9.37	9.41					
	Lb/h	234	237					
-10	Btu/h	20100	19200	18500				
	Watts	2370	2410	2440				
	Amps	9.52	9.66	9.70				
	Lb/h	259	256	258				
-5	Btu/h	22900	21600	20500	19500			
	Watts	2520	2600	2670	2720			
	Amps	9.69	9.91	10.1	10.1			
	Lb/h	293	286	283	282			
0	Btu/h	26400	24700	23200	21800	20500		
	Watts	2670	2780	2880	2970	3020		
	Amps	9.87	10.2	10.4	10.6	10.6		
	Lb/h	335	325	318	313	306		
5	Btu/h	30600	28400	26500	24800	23000		
	Watts	2800	2940	3080	3210	3300		
	Amps	10.1	10.5	10.8	11.0	11.2		
	Lb/h	386	372	361	353	343		
10	Btu/h	35400	32800	30600	28400	26200	24000	21500
	Watts	2920	3090	3270	3430	3560	3650	3690
	Amps	10.3	10.7	11.1	11.5	11.7	11.9	11.9
	Lb/h	443	426	413	401	388	372	351
15	Btu/h	40700	37800	35100	32600	30100	27400	24500
	Watts	3020	3230	3440	3640	3810	3940	4020
	Amps	10.5	11.0	11.5	11.9	12.3	12.5	12.6
	Lb/h	507	487	471	456	441	422	398
20	Btu/h	46500	43300	40200	37300	34400	31400	28100
	Watts	3120	3360	3600	3830	4040	4210	4330
	Amps	10.7	11.3	11.9	12.4	12.8	13.2	13.4
	Lb/h	576	554	536	519	501	479	452

25	Btu/h	52700	49100	45800	42500	39300	35900	32300
	Watts	3210	3470	3740	4010	4250	4460	4620
	Amps	10.9	11.5	12.2	12.8	13.3	13.8	14.1
	Lb/h	649	626	606	587	566	543	514
30	Btu/h	59300	55400	51700	48100	44500	40800	36800
	Watts	3280	3570	3870	4170	4450	4700	4900
	Amps	11.0	11.8	12.5	13.2	13.8	14.4	14.8
	Lb/h	727	702	680	659	638	612	582
35	Btu/h	66200	62000	58000	54100	50200	46100	41800
	Watts	3340	3660	3990	4320	4630	4910	5150
	Amps	11.2	12.0	12.8	13.6	14.3	14.9	15.5
	Lb/h	806	780	758	736	713	687	655
40	Btu/h	73300	68800	64600	60300	56100	51700	47100
	Watts	3400	3740	4100	4450	4800	5120	5390
	Amps	11.4	12.2	13.1	13.9	14.7	15.4	16.1
	Lb/h	888	862	838	816	792	765	732
45	Btu/h	80600	75900	71300	66800	62300	57600	52700
	Watts	3440	3810	4190	4580	4950	5300	5610
	Amps	11.5	12.4	13.3	14.2	15.1	15.9	16.6
	Lb/h	971	944	921	898	874	846	813
50	Btu/h	88100	83100	78200	73500	68700	63700	58400
	Watts	3470	3860	4270	4680	5090	5470	5810
	Amps	11.6	12.6	13.5	14.5	15.4	16.3	17.2
	Lb/h	1050	1030	1000	981	957	930	896
55	Btu/h	95600	90300	85300	80200	75100	69900	64400
	Watts	3490	3900	4340	4770	5210	5620	6000
	Amps	11.7	12.7	13.7	14.7	15.7	16.7	17.6
	Lb/h	1140	1110	1090	1070	1040	1010	981

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.265226E+04	3.189940E+03	6.955295E+00	8.231707E+02
C2	1.358656E+03	-8.807376E+00	-3.540467E-02	1.468604E+01
C3	-8.324168E+02	-3.869712E+01	1.862772E-02	-1.328155E+01
C4	1.085357E+01	-4.563990E-02	8.634002E-04	9.283805E-02
C5	-6.768416E+00	2.553629E-01	2.097301E-04	-6.156794E-02
C6	6.218567E+00	5.836602E-01	4.727926E-04	1.196818E-01
C7	-7.997048E-02	1.739539E-04	-4.909835E-06	-1.142600E-03
C8	3.011946E-02	-2.344969E-03	-8.239544E-06	8.139265E-04
C9	-7.364848E-03	2.452057E-03	8.730112E-06	-6.581520E-05
C10	-1.843210E-02	-2.272016E-03	-3.127889E-06	-3.740205E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature